

Purpose of Chapter 6

The information presented in this chapter highlights some of the more significant environmentally sensitive areas within the GRP region that could be impacted as a result of an oil spill. Consistent with the overall purpose of the GRP's, this information is only intended to provide a level of detail required during the initial phase of spill response. During an actual event, additional resource information will be available from the resource trustee agencies supporting the Environmental Unit in the Planning Section. Specific resource concerns for areas that already have designated protection strategies in Chapter 4 of the GRP may be found in the "Resources Protected" column in the matrix describing the individual strategies.

The information provided in Chapter 6 is intended for use in:

- Preparing an initial ICS 232 form (Resources-at-Risk summary) for Incident Command
- Identifying those sites where it may be necessary to implement Flight Restriction Zones in order to prevent disturbance/injury to sensitive wildlife species.
- Identifying sensitive shoreline habitats to assist SCAT teams in their initial assessments and to help personnel in the Environmental Unit in developing appropriate cleanup strategies.

Chapter 6 consists of two sets of maps and tables - one for wildlife and the other for fish, shellfish and selected sensitive marine habitats. These data are presented separately, both for ease of reading and because each of the two data sets has slightly different applications within the context of spill response.

The wildlife maps and tables present information on the location and seasonal sensitivity of key wildlife resources. Types of data included here are concentration areas for waterfowl, marine birds and shorebirds; seabird colonies; nesting areas for sensitive species such as eagles, herons and falcons; and marine mammal haulout sites. This information is intended for the rapid identification of areas where significant wildlife oiling impacts could be anticipated and to denote areas where flight restriction zones may be required to protect sensitive wildlife. Each site depicted on these maps is identified by a unique number in order to facilitate the process of communicating Flight Restriction Zone recommendations to the Operations Section in ICS. The tables accompanying the wildlife maps present information on the season(s) during which sites may be particularly sensitive to disturbance.

The fish/shellfish/marine habitat maps present general information on the location of baitfish spawning beaches, herring spawning areas, streams used by anadromous salmonids, hardshell clam concentrations, and kelp and eelgrass beds. This information will be most useful to personnel involved in assessing initial risks to fish and shellfish resources and to those conducting initial beach reconnaissance, pending availability of more detailed resource information and the formation of SCAT teams.

Because the operational uses of this information differ from those of the wildlife data, individual site identification numbers have not been assigned. Tables associated with these maps will identify the seasonal sensitivity of each resource. In addition, notes accompanying each table will provide information on the general distribution and seasonal sensitivity of those resources that are not mapped but may occur anywhere in the GRP region (ex. juvenile salmonids in shallow nearshore waters).

6. Sensitive Resource Description*

6.1. Marine Mammals

Common species of whales and dolphins found within the North Puget Sound GRP area include gray whale, orca, Dall's porpoise, and harbor porpoise. Additional species of whales or dolphins have been recorded as rare or accidental within this area. With regard to seals and sea lions, this area is home to one permanent resident, the harbor seal. Three additional species occur as regular seasonal residents or migrants: the Steller sea lion, California sea lion, and northern elephant seal. Although relatively few Steller sea lions are found in this area, this species is of special concern because it is listed as a Threatened species. This region also supports a large population of river otters which are largely marine in their habits.

The islands, nearshore rocks, and beaches of the region provide pupping and resting sites for harbor seals. The largest concentrations are found in the vicinities of Boundary Bay and Padilla Bay. Other smaller sites are scattered throughout the entire study area.

Nearshore waters are used as feeding areas by seals, sea lions, gray whales, harbor porpoise, and river otters while offshore waters are used primarily by species such as the orca and Dall's Porpoise. Offshore waters Also provide important transit corridors for animals moving through the study area.

6.2. Birds

Many species of marine birds and shorebirds are either residents or seasonal visitors within this GRP area. Much of the seabird nesting is scattered throughout the region on offshore rocks, exposed rocky coasts or on pilings. In aggregate, these sites represent an important contribution to the total seabird population of the area. In addition, there are several major nesting colonies in adjoining planning areas and many of the birds from these sites utilize the marine waters of North Puget Sound GRP area for feeding.

Bald eagles and peregrine falcons nest within the planning area and are closely associated with the marine ecosystem because of their feeding habits and choice of resting sites. This area because of its richness, hosts a large wintering population of bald eagles.

Marbled murrelets are unique among the area's seabirds because they nest inland in old-growth forests yet spend much of their time feeding and resting on marine waters in the nearshore environment. This species is of special concern since it has been shown to be highly vulnerable to oil spills and gillnet entanglement.

In addition to supporting a wide variety of resident birds, North Puget Sound is recognized as one of the most important waterfowl wintering areas on the Pacific flyway for waterfowl. This area has been identified as a key component in the North American waterfowl plan.

The three Endangered or Threatened species that breed in this GRP area are bald eagle, peregrine falcon and marbled murrelet.

* Generated for the GRP by the Spill Response and Resource Protection Team of the Washington Department of Fish and Wildlife

6.3. Flight Restriction Zones

Flight restriction zones have been designated in the GRP to minimize disturbance to certain wildlife species. An identified location could represent a marine mammal haulout site, a seabird or heron colony, or the individual nest of a sensitive species such as bald eagle. While some zones may be restricted year around, others will be in effect only during the months listed in the matrix.

The no-fly bubble is the area within a 1,500 foot radius and below 1,000 feet in altitude around the location.

All aircraft, including those from the government, contractors or media, are expected to avoid these zones when restrictions are in effect. In the event that one of these zones must be entered during a spill response, clearance must be obtained from the Washington Department of Fish and Wildlife and the United States Fish and Wildlife Service or when marine mammals other than sea otters are concerned, the National Marine Fisheries Service. Sea otters are managed by the United States Fish and Wildlife Service.

During oil spills, pilots are also asked to avoid disturbing any large concentrations of birds and other wildlife. By keeping a safe distance or altitude, pilots can prevent the accidental hazing of unaffected wildlife into oiled areas and minimize the risk of aircraft/ bird collisions.

6.4. Hazing

Hazing or directed harassment, is a method used to drive or herd wildlife out of an area where they are at risk of becoming oiled. Hazing techniques include the use of visual and audio devices, personnel for herding, vessels and aircraft. In the right circumstances it can be an effective tool for protecting some wildlife species. In other cases it can be disastrous as unaffected wildlife can be driven into oiled areas, or forced to abandon nests or young.

National Marine Fisheries Service staff or their designees will perform all hazing of marine mammals other than sea otters. Before hazing can begin for all other species of wildlife, clearance must be obtained from the Washington Department of Fisheries and Wildlife and the United States Fish and Wildlife Service. All hazing efforts during a spill will be directed by these agencies. The deliberate harassment of wildlife without first securing permission from these agencies is a violation of Federal and State laws.

The following information must be provided for a determination on whether hazing might be authorized in a given situation.

1. Description of the situation where hazing authorization is being sought
2. Location to be hazed
3. Species of wildlife to be hazed and number of animals
4. Methods and equipment used
5. Date and time of hazing
6. Name, phone number, radio frequency, pager number and the amount of hazing experience of the individual requesting permission

The responsible agencies will evaluate each request on a case by case basis. All hazing of marine mammals, threatened and endangered species, and all hazing by aircraft will be performed only under authority and general supervision of WDF&W, USFWS, NMFS or persons designated by these agencies.

Representatives of these agencies can be contacted through the planning section of the Unified Command System during the spill event.


6.5. Flight Restriction Zones/ Sensitive Wildlife


POINT ROBERTS FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421

Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Marine Mammal Haulout	Sensitive Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-1	Pt. Roberts					Yes		Yes												
W-2	Pt. Roberts peninsula, SE tip				Yes	Yes		Yes												
W-3	Boundary Bay				Yes			Yes												
W-54	Point Roberts							No												
W-55	North Boundary Bay			Yes				No												

FLIGHT AND GROUND ENTRY RESTRICTIONS

 Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones

 Sensitive season - Minimize overflight disturbance

POINT ROBERTS FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES

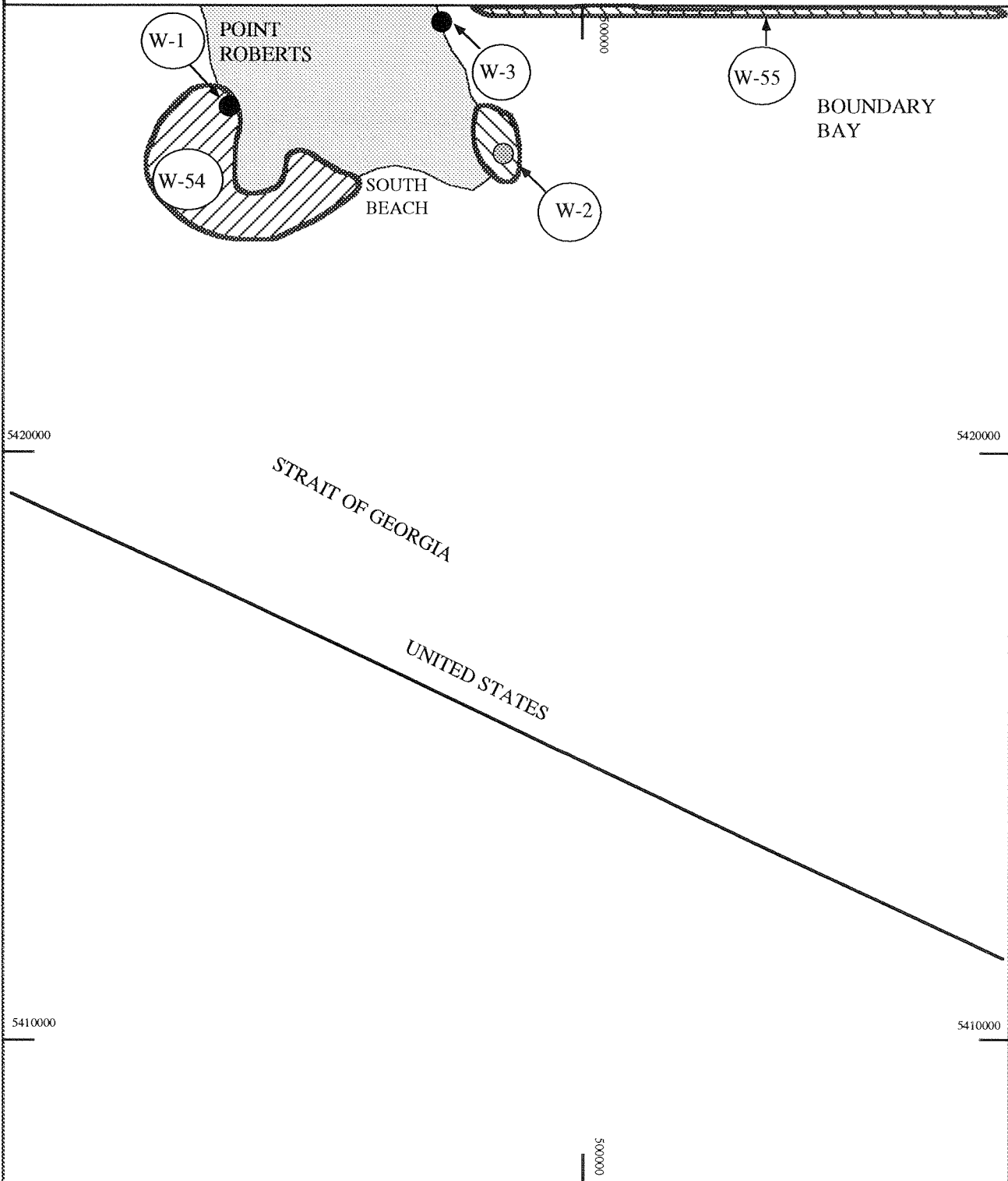
1. Pilots refer to the chapter on Flight Restriction Zones.
2. All ground entry within 100 yards of sensitive nesting species is restricted.
3. All boaters are requested to approach no closer than 100 yards to seal and waterfowl concentrations.

● MARINE MAMMAL HAULOUT
● SENSITIVE SPECIES NESTING
⊠ BOAT LAUNCH

▨ PARK OR PUBLIC LAND
▨ RESERVATION
★ TOWN OR CITY



BIRD CONCENTRATION AREA




BLAINE FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421

Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Mammal Haulout	Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-5	Drayton Harbor Floats				Yes			Yes												
W-6	Drayton Harbor			Yes				No												
W-7	Semiahmoo Spit					Yes		Yes												
W-8	Birch Point				Yes	Yes		Yes												
W-9	Birch Bay			Yes				No												
W-10	Cherry Point					Yes		Yes												
W-55	North Boundary Bay			Yes				No												
W-56	Semiahmoo Bay	Yes						No												

FLIGHT AND GROUND ENTRY RESTRICTIONS

 Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones

 Sensitive season - Minimize overflight disturbance

BLAINE

FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES

1. Pilots refer to the chapter on Flight Restriction Zones.
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● MARINE MAMMAL HAULOUT

● SENSITIVE SPECIES NESTING

⊠ BOAT LAUNCH

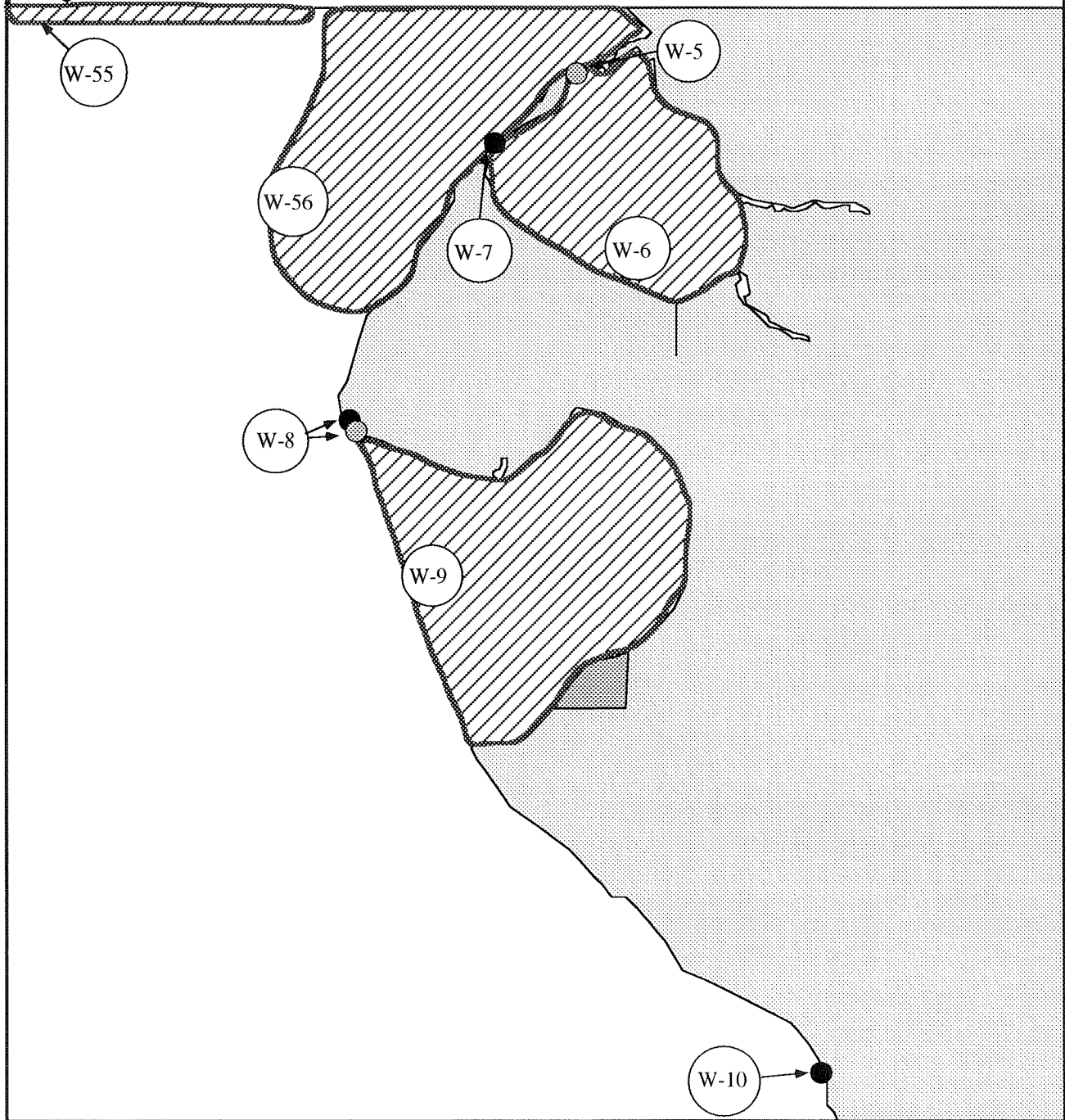
▨ PARK OR PUBLIC LAND

▨ RESERVATION

⊛ TOWN OR CITY



BIRD CONCENTRATION AREA




MATIA FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421

Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Mammal Haulout	Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-11	Lummi Bay			Yes			Yes	No												
W-18	Pt. Migley				Yes			Yes												
W-58	Hale Passage	Yes						No												
W-59	Lummi Island		Yes					No												
W-90	Shoal Bay		Yes	Yes				No												
W-96	Pt Lawrence		Yes	Yes				No												
W-99	Puffin Island	Yes			Yes			Yes												
W-100	Suein Island				Yes	Yes		Yes												




FLIGHT AND GROUND ENTRY RESTRICTIONS




 Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones

 Sensitive season - Minimize overflight disturbance

MATIA ISLAND/ NORTH ORCAS ISLAND FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES

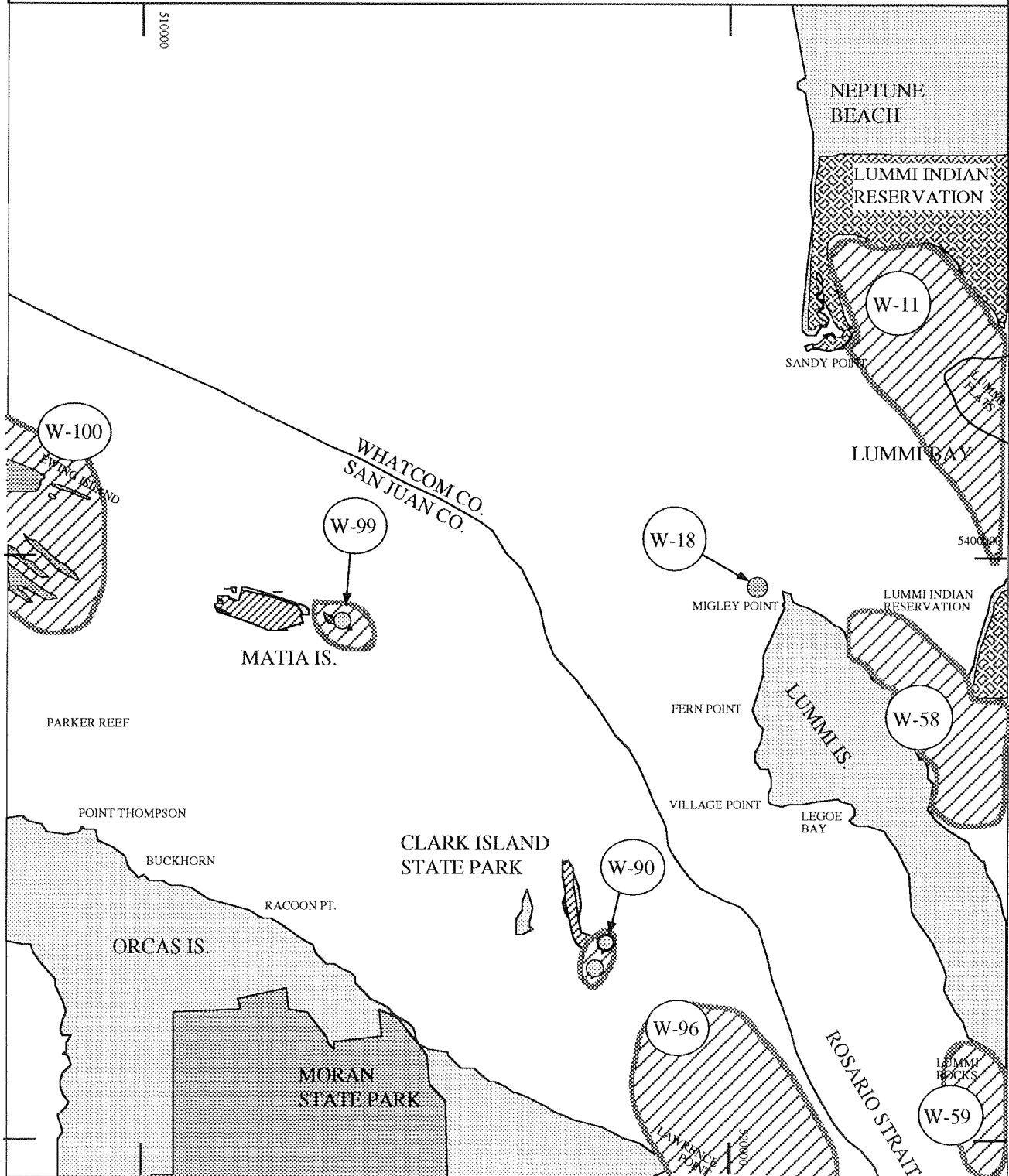
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3. All boaters are requested to approach no closer than 100 yards to seal and waterfowl concentrations.

 MARINE MAMMAL HAULOUT
 SENSITIVE SPECIES NESTING
 BOAT LAUNCH

 PARK OR PUBLIC LAND
 RESERVATION
 TOWN OR CITY



BIRD CONCENTRATION AREA





BELLINGHAM FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421

Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Marine Mammal Haulout	Sensitive Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-12	East Lummi Bay					Yes		Yes												
W-13	N Bellingham Bay		Yes	Yes			Yes	No												
W-13a	Fish Point					Yes		Yes												
W-14	East Portage Island					Yes		Yes												
W-15	West Portage Island					Yes		Yes												
W-16	Bellingham Harbor				Yes			Yes												
W-17	Chuckanut Bay				Yes	Yes		Yes												
W-58	Hale Passage	Yes						No												
W-59	Lummi Island		Yes					No												

FLIGHT AND GROUND ENTRY RESTRICTIONS

 Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones

 Sensitive season - Minimize overflight disturbance

BELLINGHAM**FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES**

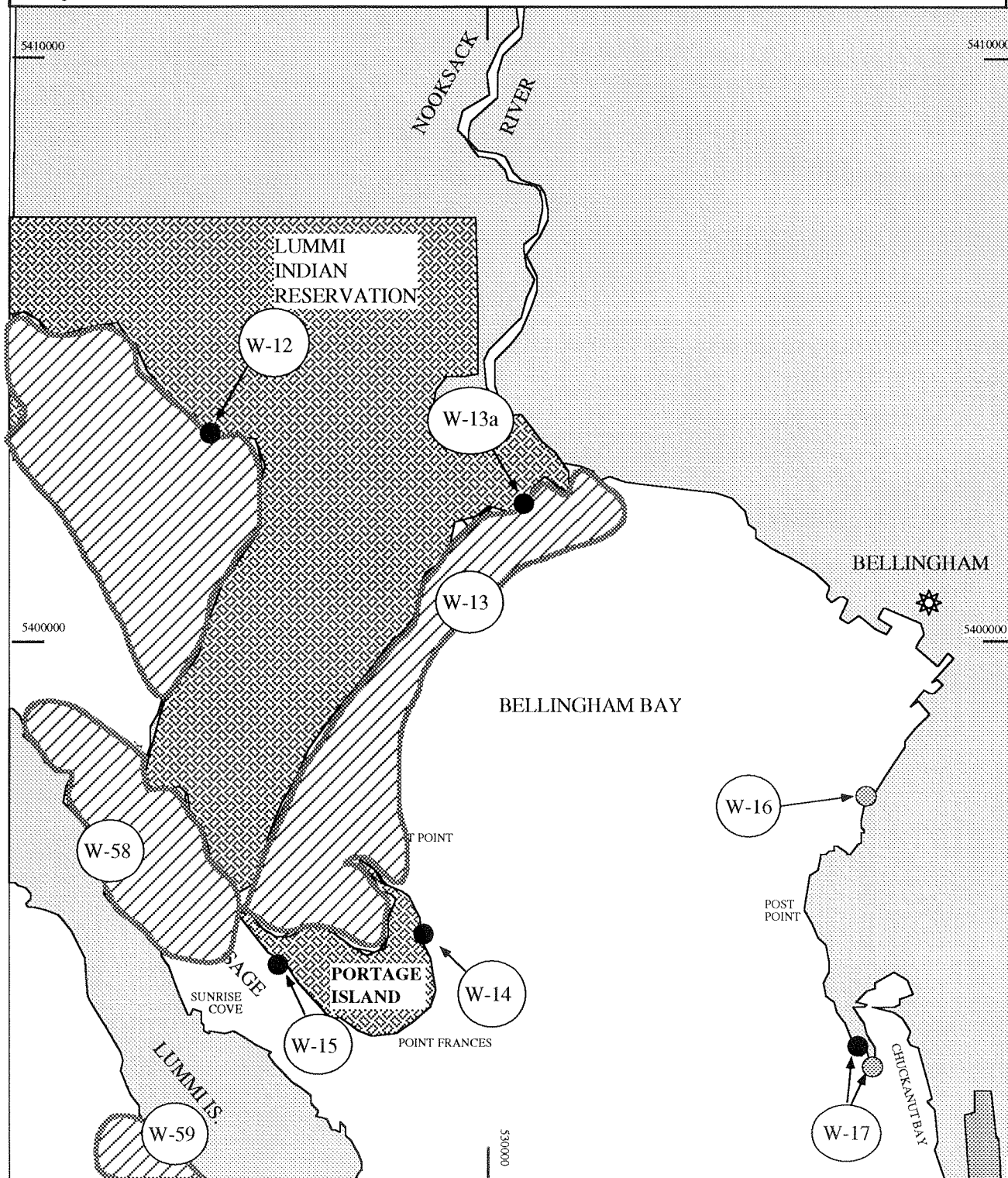
1. Pilots refer to the chapter on Flight Restriction Zones.
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3. All boaters are requested to approach no closer than 100 yards to seal and waterfowl concentrations.

● MARINE MAMMAL HAULOUT
● SENSITIVE SPECIES NESTING
⊞ BOAT LAUNCH

▨ PARK OR PUBLIC LAND
▨ RESERVATION
⊛ TOWN OR CITY



BIRD CONCENTRATION AREA




SOUTH BELLINGHAM FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421

Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Marine Mammal Haulout	Sensitive Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-16	Bellingham Harbor				Yes			Yes												
W-17	Chuckanut Bay				Yes	Yes		Yes												
W-21	Eliza Rock				Yes	Yes		Yes												
W-35	Wildcat Cove				Yes			Yes												
W-36	Central Samish Bay				Yes			Yes												
W-37	South Samish Bay				Yes			Yes												
W-38	Samish Bay			Yes				No												

FLIGHT AND GROUND ENTRY RESTRICTIONS

 Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones

 Sensitive season - Minimize overflight disturbance

SOUTH BELLINGHAM**FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES**

1. Pilots refer to the chapter on Flight Restriction Zones.
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MARINE MAMMAL HAULOUT

SENSITIVE SPECIES NESTING

BOAT LAUNCH

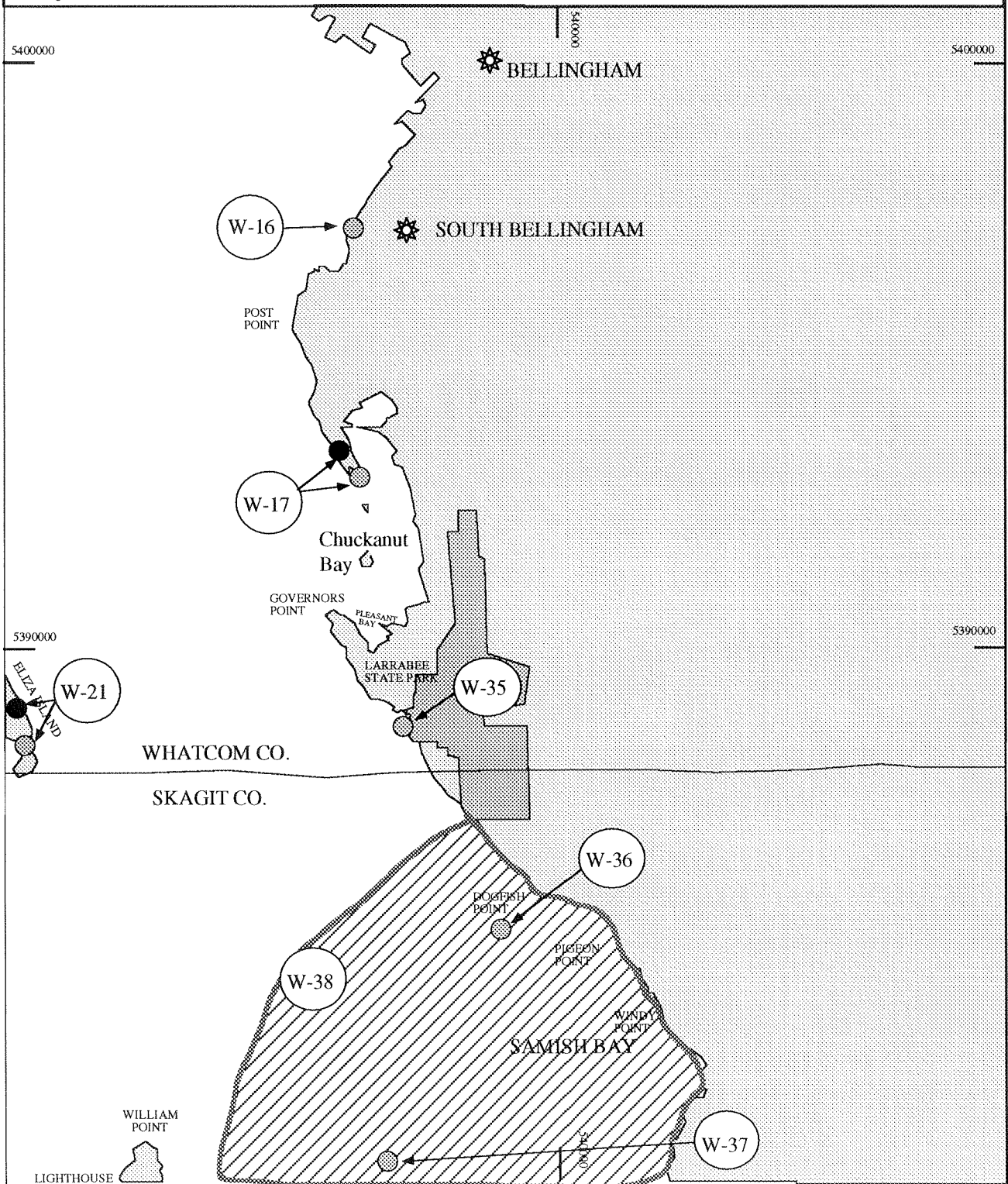
PARK OR PUBLIC LAND

RESERVATION

TOWN OR CITY



BIRD CONCENTRATION AREA



ROSARIO STRAIT FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421

Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Marine Mammal Haulout	Sensitive Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-20	Carter Point					Yes		Yes												
W-21	Eliza Rock				Yes	Yes		Yes												
W-22	Viti Rocks	Yes			Yes			Yes												
W-23	Vendovi Island				Yes			Yes												
W-24	NE Vendovi I.					Yes		Yes												
W-25	Sinclair Island				Yes	Yes		Yes												
W-26	Boulder Reef				Yes			Yes												
	Cypress Reef																			
W-27	Buckeye Shoal				Yes			Yes												
W-28	Eagle Cliff					Yes		Yes												
W-29	Stawberry Island					Yes		Yes												
W-30	Reef Point					Yes		Yes												
W-31	S Shore of Deception Bay					Yes		Yes												
W-32	Clark Point					Yes		Yes												
W-33	Guemes Island					Yes		Yes												
W-40	Jack Island					Yes		Yes												
W-47	N Fidalgo Bay				Yes			Yes												
W-48	Fidalgo Island					Yes		Yes												
W-59	Lummi Island		Yes					No												
W-60	Sinclair Island			Yes				No												
W-61	Guemes Channel		Yes					No												
W-62	West Cypress		Yes					No												
W-64	B'ham Channel		Yes					No												
W-66	Fidalgo Head	Yes						No												
W-85	S Rosario Strait		Yes					No												
W-88	Thatcher Pass	Yes						Yes												
	Obstruction/Peavine Pass		Yes					No												
W-96	Pt Lawrence		Yes	Yes				No												
W-97	Peapod Rocks	Yes			Yes			Yes												

FLIGHT AND GROUND ENTRY RESTRICTIONS



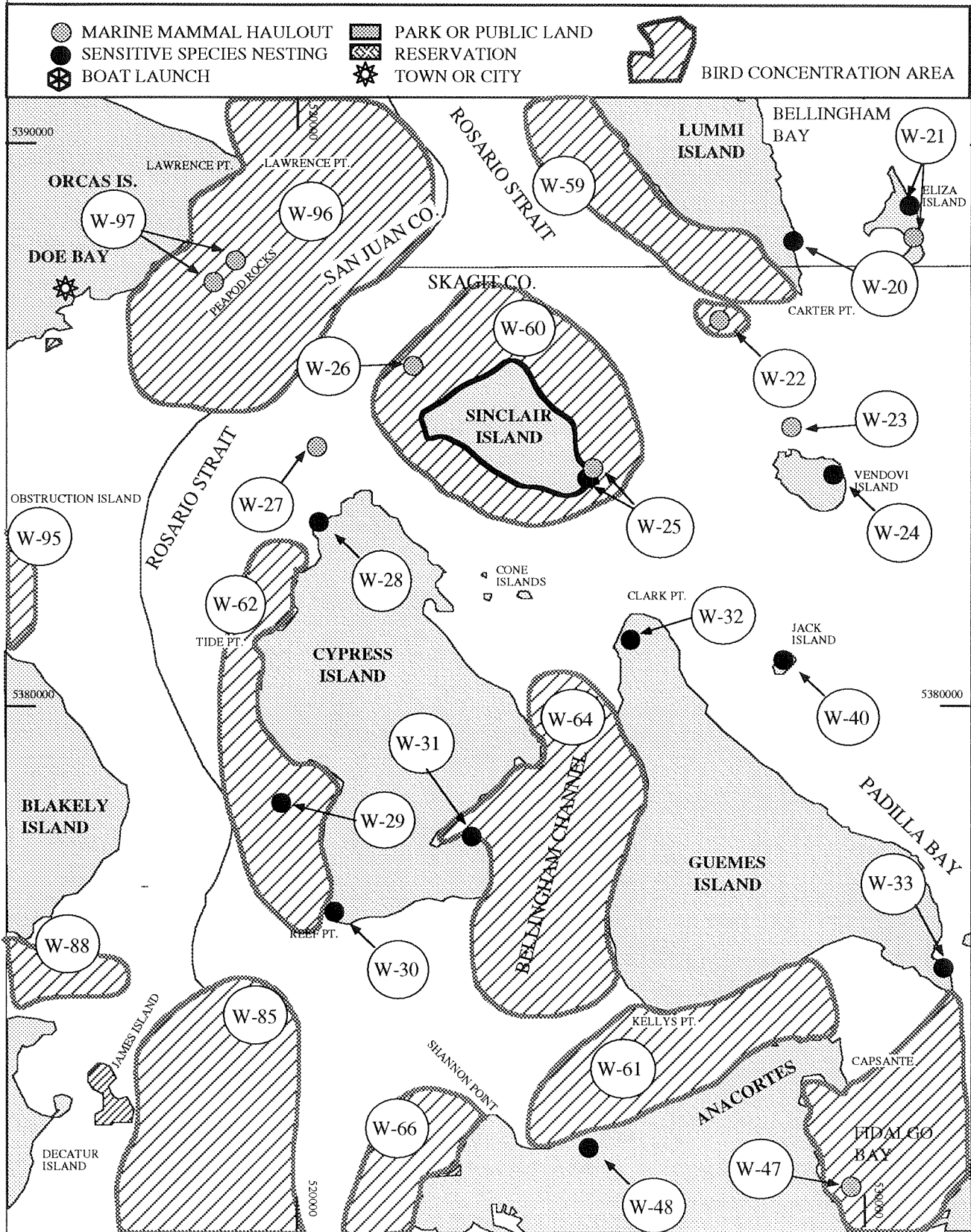
Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones



Sensitive season - Minimize overflight disturbance

ROSARIO STRAIT**FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES**

1. Pilots refer to the chapter on Flight Restriction Zones.
2. All ground entry within 100 yards of sensitive nesting species is restricted.
3. All boaters are requested to approach no closer than 100 yards to seal and waterfowl concentrations.



PADILLA BAY FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421

Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Marine Mammal Haulout	Sensitive Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-33	Guemes Island					Yes		Yes												
W-34	William Point					Yes		Yes												
W-38	Samish Bay			Yes				No												
W-39	Samish Island					Yes		Yes												
W-41	Hat Island					Yes		Yes												
W-42	North Padilla Bay				Yes			Yes												
W-43	East Padilla Bay					Yes		Yes												
W-44	Fidalgo Bay/Fidalgo Bay			Yes	Yes		Yes	Yes												
W-45	South Padilla Bay Sloughs				Yes			Yes												
W-46	SW Padilla Bay	Yes				Yes		Yes												

FLIGHT AND GROUND ENTRY RESTRICTIONS

 Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones

 Sensitive season - Minimize overflight disturbance

6-16

December 6, 1994

SAN JUAN ISLANDS/ NORTH PUGET SOUND GRP

PADILLA BAY**FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES**

1. Pilots refer to the chapter on Flight Restriction Zones.
2. All ground entry within 100 yards of sensitive nesting species is restricted.
3. All boaters are requested to approach no closer than 100 yards to seal and waterfowl concentrations.

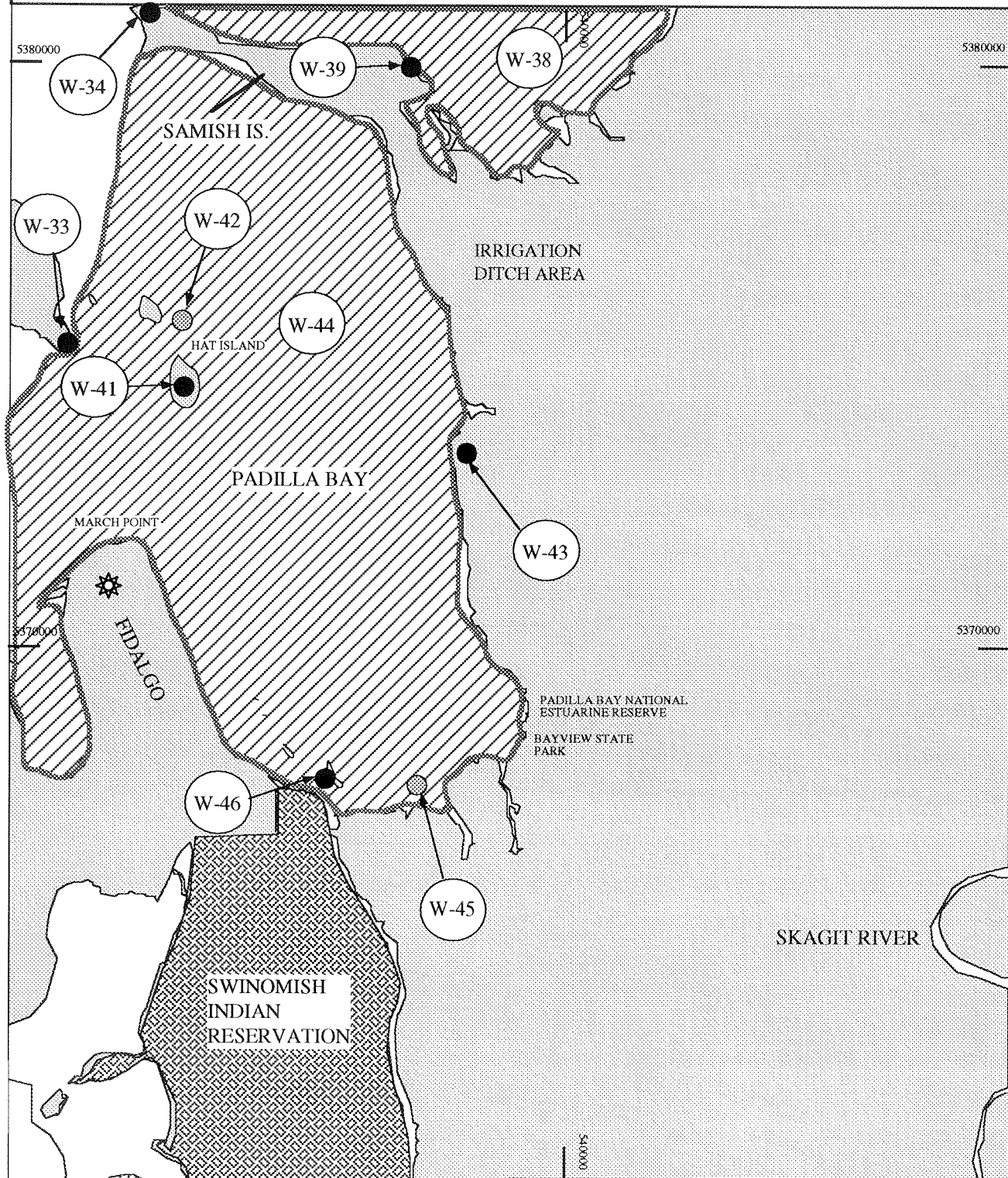


- MARINE MAMMAL HAULOUT
- SENSITIVE SPECIES NESTING
- ⬢ BOAT LAUNCH

- ▨ PARK OR PUBLIC LAND
- ▨ RESERVATION
- ★ TOWN OR CITY



BIRD CONCENTRATION AREA



DECEPTION PASS FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

									Flight and Ground Entry Restrictions *											
Map Page 18441		Seabird	Seabird	Waterfowl	Marine Mammal	Sensitive	Shorebird	Flight	PERIOD OF SENSITIVITY											
Code	Location	Colony	Conc	Conc	Haulout	nesting species	concentration	Exclusion	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-44	Fidalgo Bay			Yes	Yes		Yes	Yes												
W-45	S. Padilla Bay Sloughs				Yes			Yes												
W-46	SW Padilla Bay	Yes				Yes		Yes												
W-47	North Fidalgo Bay				Yes			Yes												
W-51	Williamson Rocks	Yes			Yes			Yes												
W-52	Biz Point					Yes		Yes												
W-53	Deception Island					Yes		Yes												
W-63	Burrows Bay			Yes				No												
W-65	Deception Pass		Yes					No												
WNC-22	Ika Island					Yes		Yes												
WNC-23	Deadman Island					Yes		Yes												
WNC-24	Hope Island					Yes		Yes												
WNC-25	Kiket Island					Yes		Yes												
WNC-26	N. Similk Bay			Yes				Yes												
WNC-27	Hoypus Point					Yes		Yes												
WNC-28	Deception Pass		Yes			Yes		Yes												
WNC-29	Duguala Bay (N.)					Yes		Yes												
WNC-30	Duguala Bay			Yes				Yes												
WNC-31	Duguala Bay (S.)					Yes		Yes												

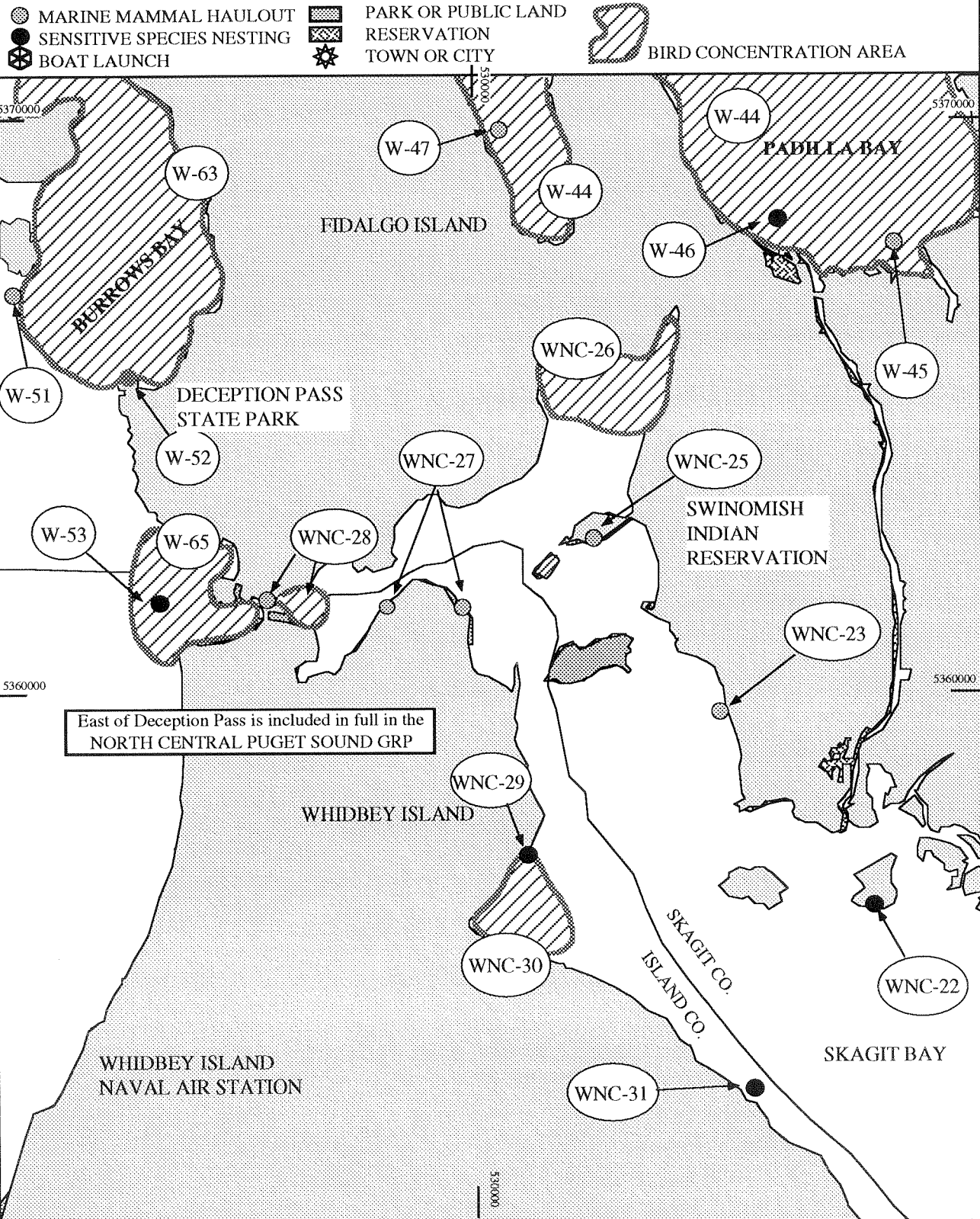
* FLIGHT AND GROUND ENTRY RESTRICTIONS

 Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones

 Sensitive season - Minimize overflight disturbance

DECEPTION PASS**FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES**

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SOUTH LOPEZ ISLAND FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421

Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Marine Mammal Haulout	Sensitive Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
WS-23	Smith Island				Yes			Yes												
W-49	Burrows Island				Yes			Yes												
W-50	Allan Island				Yes	Yes		Yes												
W-79	Cattle Pass		Yes					No												
W-80	Whale rocks				Yes			Yes												
W-81	Long Island/ Hall Island Complex	Yes			Yes			Yes												
W-82	Iceberg Point				Yes			Yes												
W-83	Colville Island/ Castle Island	Yes			Yes			Yes												
W-84	Lopez Island, South		Yes					No												
W-85	South Rosario Strait		Yes					No												
W-86	Bird Rocks	Yes			Yes			Yes												
W-97	Peapod Rocks	Yes			Yes			Yes												

FLIGHT AND GROUND ENTRY RESTRICTIONS

 Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones

 Sensitive season - Minimize overflight disturbance

SOUTH LOPEZ ISLAND**FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES**

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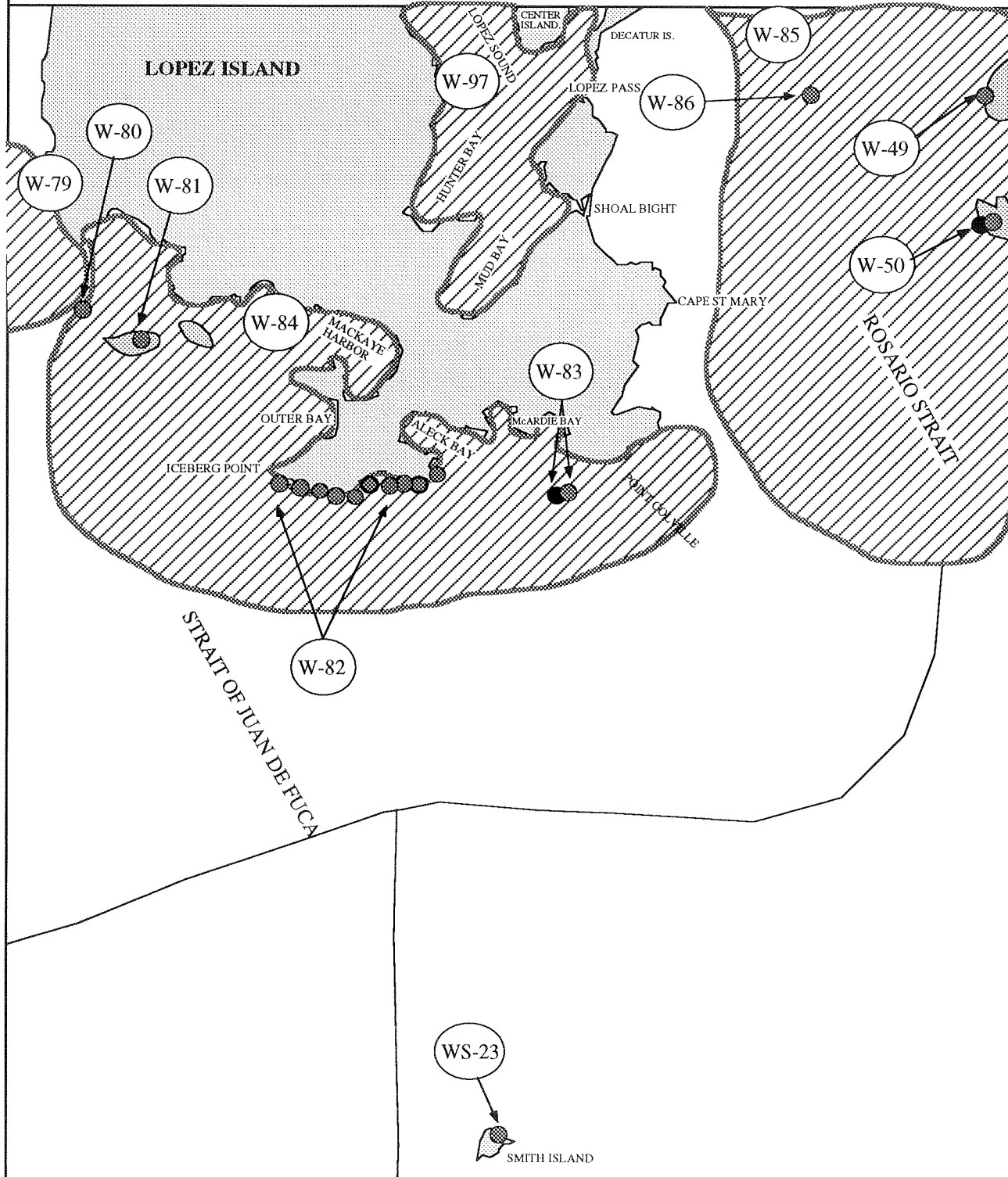


- MARINE MAMMAL HAULOUT
- SENSITIVE SPECIES NESTING
- ⬢ BOAT LAUNCH

- ▨ PARK OR PUBLIC LAND
- ▨ RESERVATION
- ★ TOWN OR CITY



BIRD CONCENTRATION AREA





SOUTH ORCAS ISLAND FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421

Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Marine Mammal Haulout	Sensitive Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-75	Griffin Bay			Yes				No												
W-76	Dinner Island				Yes	Yes		Yes												
W-77	Friday Harbor		Yes	Yes				No												
W-78	Southern San Juan		Yes					No												
W-88	Thatcher Pass	Yes						Yes												
W-89	Swift Bay		Yes	Yes				No												
W-90	Shoal Bay		Yes	Yes				No												
W-91	Fisherman Bay		Yes	Yes				No												
W-92	Blind Bay		Yes	Yes				No												
W-93	Wasp Island				Yes	Yes		Yes												
W-94	Wasp Pass		Yes					No												
W-95	Obstruction/ Peavine Pass		Yes					No												
W-97	Peapod Rocks	Yes			Yes			Yes												

FLIGHT AND GROUND ENTRY RESTRICTIONS

-  Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones
-  Sensitive season - Minimize overflight disturbance

SOUTH ORCAS ISLAND**FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES**

1. Pilots refer to the chapter on Flight Restriction Zones.
2. All ground entry within 100 yards of sensitive nesting species is restricted.
3. All boaters are requested to approach no closer than 100 yards to seal and waterfowl concentrations.

○ MARINE MAMMAL HAULOUT

● SENSITIVE SPECIES NESTING

⊙ BOAT LAUNCH



■ PARK OR PUBLIC LAND



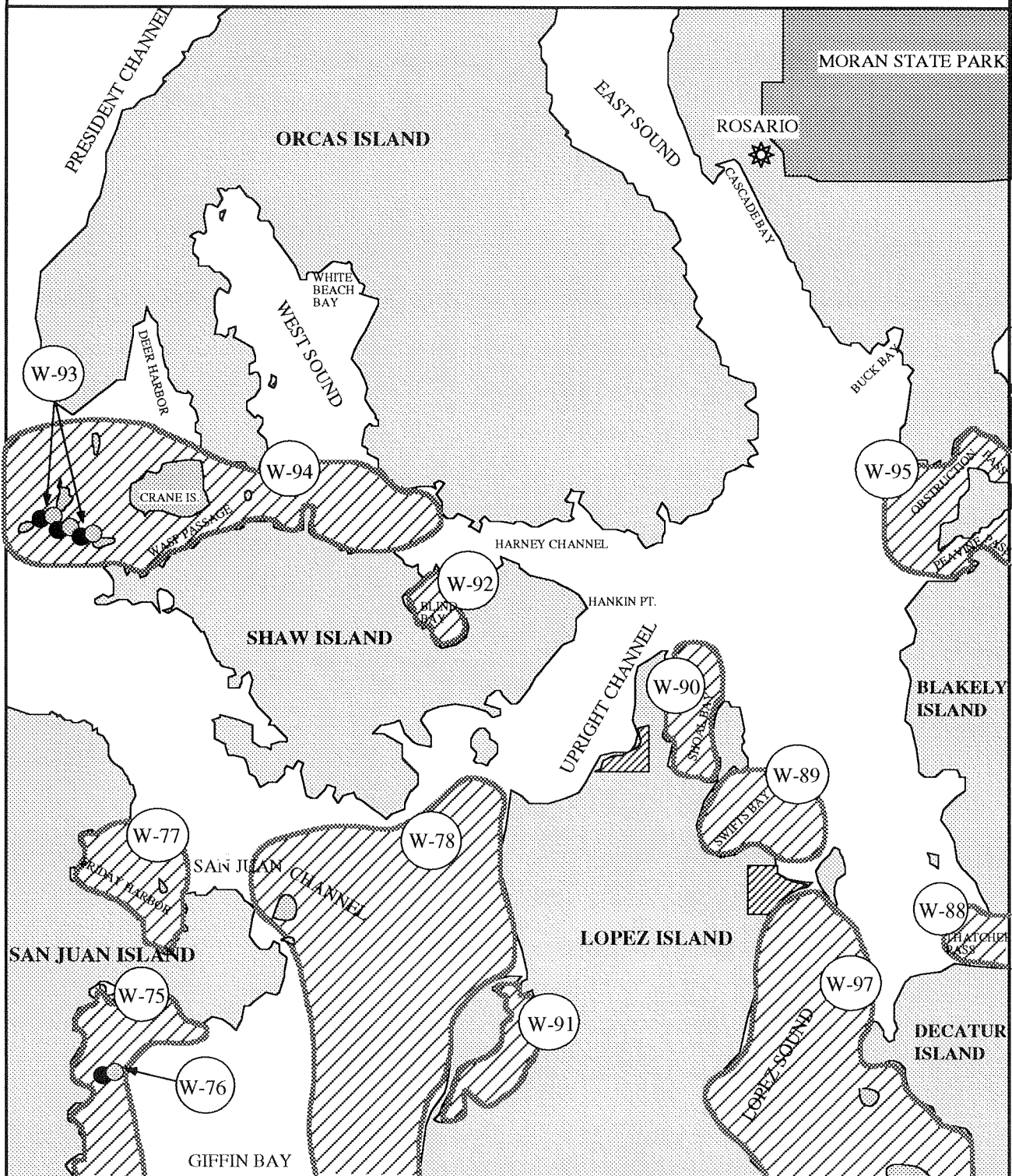
■ RESERVATION



★ TOWN OR CITY



〰 BIRD CONCENTRATION AREA




SOUTH SAN JUAN ISLAND FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421

Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Marine Mammal Haulout	Sensitive Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-73	False Bay		Yes	Yes				No												
W-74	Salmon Bank		Yes	Yes				No												
W-75	Griffin Bay			Yes				No												
W-76	Dinner Island				Yes	Yes		Yes												
W-77	Friday Harbor		Yes	Yes				No												
W-78	Southern San Juan		Yes					No												
W-79	Cattle Pass		Yes					No												

FLIGHT AND GROUND ENTRY RESTRICTIONS

 Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones

 Sensitive season - Minimize overflight disturbance

SOUTH SAN JUAN ISLAND**FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES**

1. Pilots refer to the chapter on Flight Restriction Zones.
2. All ground entry within 100 yards of sensitive nesting species is restricted.
3. All boaters are requested to approach no closer than 100 yards to seal and waterfowl concentrations.



MARINE MAMMAL HAULOUT

SENSITIVE SPECIES NESTING

BOAT LAUNCH

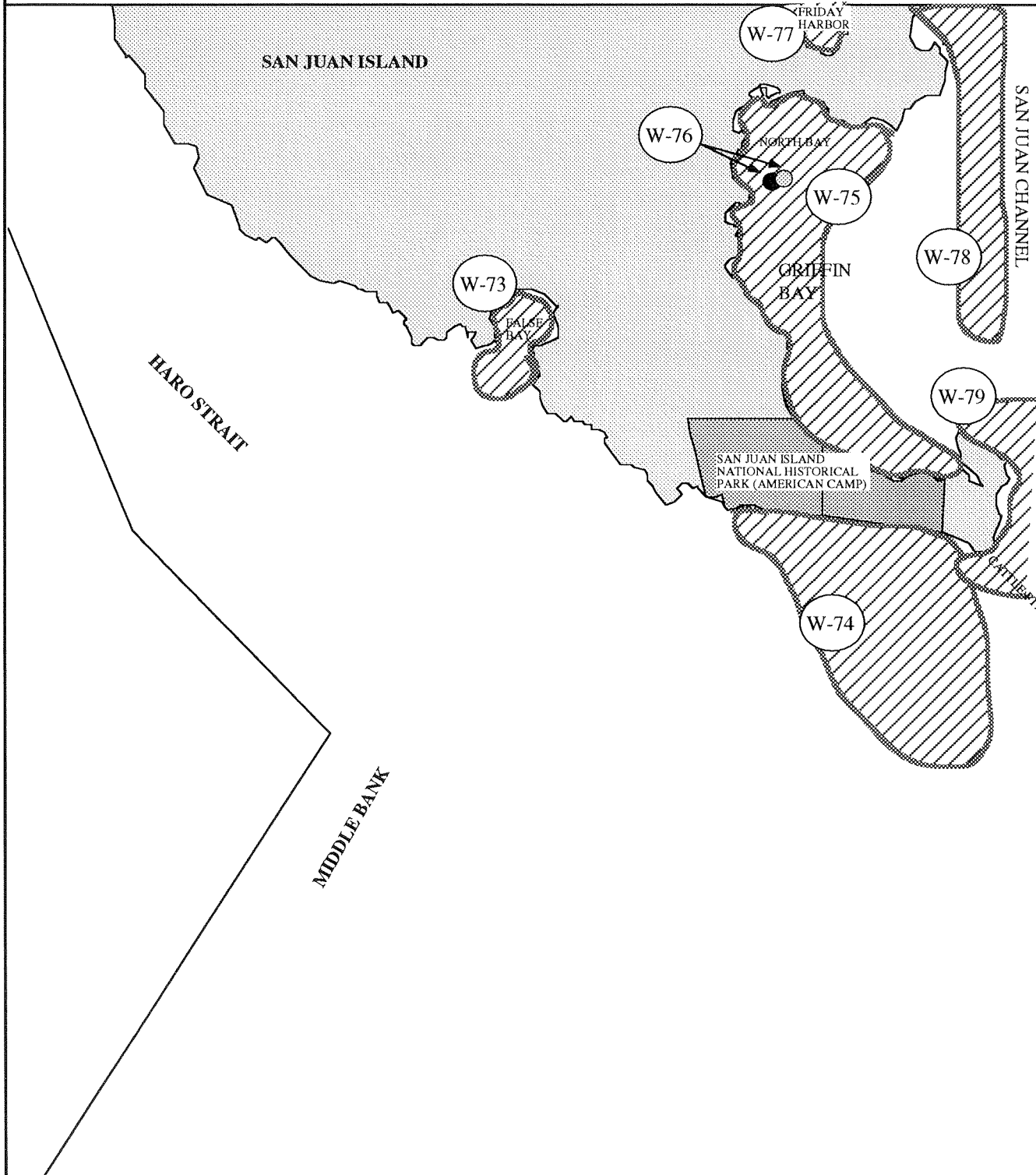
PARK OR PUBLIC LAND

RESERVATION

TOWN OR CITY



BIRD CONCENTRATION AREA





NORTH SAN JUAN ISLAND FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421

Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Marine Mammal Haulout	Sensitive Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-68	Cactus Island				Yes	Yes		Yes												
W-69	Sentinel Island				Yes	Yes		Yes												
W-70	Speiden Channel		Yes					No												
W-71	Roche Harbor	Yes		Yes				No												
W-72	Rocky Bay/O'Neal Island				Yes	Yes		Yes												
W-94	Wasp Pass		Yes					No												
W-104	Cowlitz Bay		Yes	Yes				No												
W-105	White Rock	Yes			Yes			Yes												

FLIGHT AND GROUND ENTRY RESTRICTIONS



 Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones




 Sensitive season - Minimize overflight disturbance

NORTH SAN JUAN ISLAND

FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES

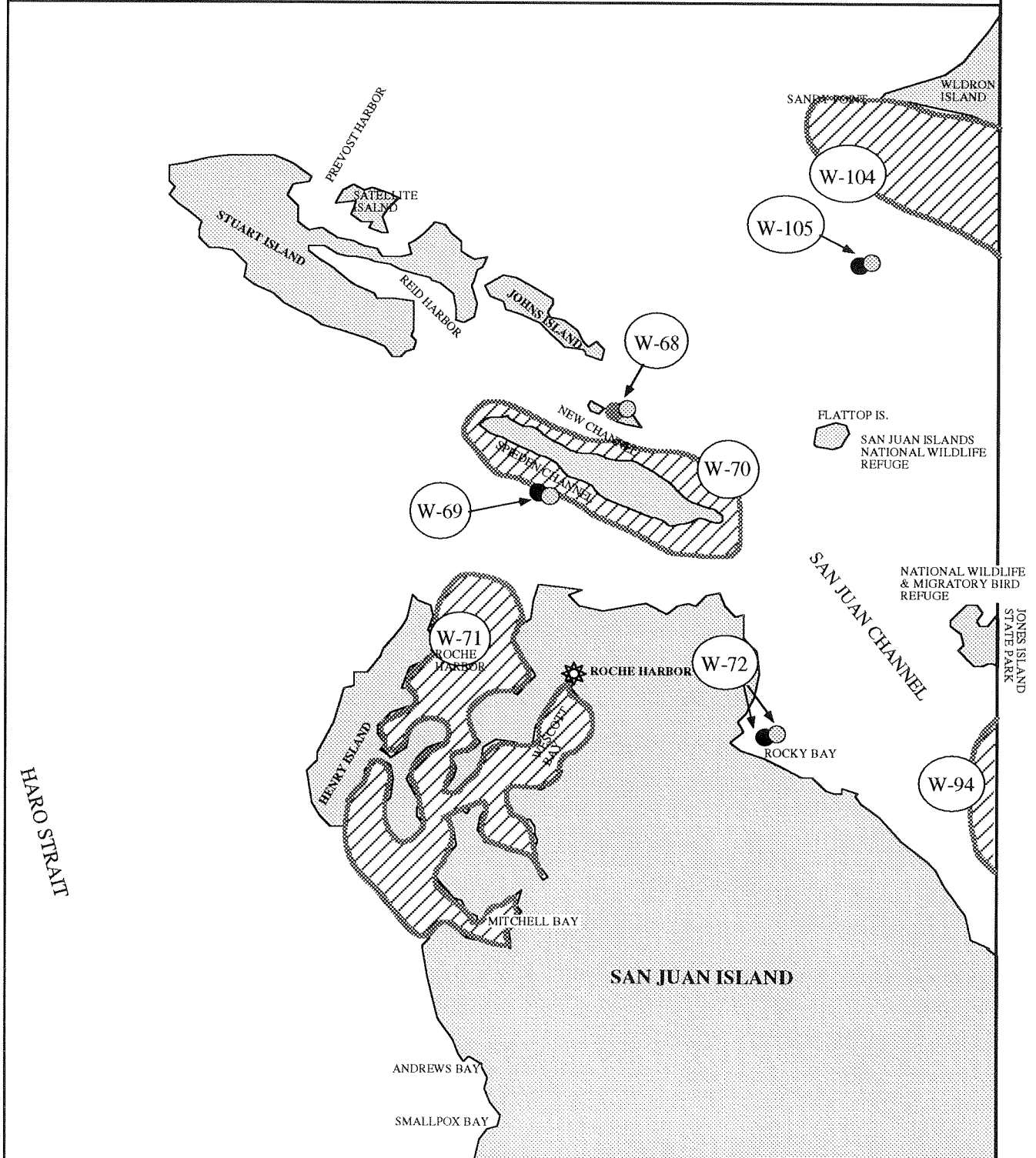
1. Pilots refer to the chapter on Flight Restriction Zones.
2. All ground entry within 100 yards of sensitive nesting species is restricted.
3. All boaters are requested to approach no closer than 100 yards to seal and waterfowl concentrations.

 MARINE MAMMAL HAULOUT
 SENSITIVE SPECIES NESTING
 BOAT LAUNCH

 PARK OR PUBLIC LAND
 RESERVATION
 TOWN OR CITY



BIRD CONCENTRATION AREA



WALDRON ISLAND FLIGHT RESTRICTION ZONES / SENSITIVE WILDLIFE

Map Page 18421




Code	Location	Seabird Colony	Seabird Conc	Waterfowl Conc	Marine Mammal Haulout	Sensitive Nesting Species	Shorebird Conc	Flight Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W-100	Suein Island				Yes	Yes		Yes												
W-101	Patos Island				Yes	Yes		Yes												
W-102	NW of Patos Island		Yes					No												
W-103	Skipjack Island/ Bare Island	Yes			Yes	Yes		Yes												
W-104	Cowlitz Bay		Yes	Yes				No												
W-105	White Rock	Yes			Yes			Yes												
W-106	Doughty Point				Yes	Yes		Yes												




FLIGHT AND GROUND ENTRY RESTRICTIONS

- Flights below 1000 feet require clearance: See appendix on Flight Restriction Zones
- Sensitive season - Minimize overflight disturbance

WALDRON ISLAND**FLIGHT RESTRICTION ZONES FOR SENSITIVE WILDLIFE SPECIES**

1. Pilots refer to the chapter on Flight Restriction Zones.
2. All ground entry within 100 yards of sensitive nesting species is restricted.
3. All boaters are requested to approach no closer than 100 yards to seal and waterfowl concentrations.

 MARINE MAMMAL HAULOUT
 SENSITIVE SPECIES NESTING
 BOAT LAUNCH

 PARK OR PUBLIC LAND
 RESERVATION
 TOWN OR CITY



BIRD CONCENTRATION AREA

